

Appl. No. 09/837,503
Amdt. dated August 21, 2003
Reply to Office action of May 21, 2003

Amendments to the Specification:

Please replace the paragraph starting at line 13 on page 4 with the following amended paragraph:

With reference to Figure 1, the fuel cell power plant system 10 includes a fuel processor 12 (this may include devices such as a catalytic steam reformer, auto-thermal reformer or catalytic partial oxidation device or the like as commonly known in the art which receives a gas mixture via 14 comprising, for example, gasoline, steam and air which is reformed in the fuel processor (auto-thermal reformer) to produce a reformed gas comprising primarily nitrogen, hydrogen, carbon dioxide water vapor and carbon monoxide. The hot reformed ~~[[gas discharged via 18 from the reformer via 16]]~~ gas discharged from the reformer via 18 is generally at a temperature of between 800 and 1200°F depending on the type of fuel processor employed. A shift converter 20 receives the reformed gas and processes the reformed gas in the presence of the catalyst to convert the majority of the carbon monoxide in the reformed gas such that the gas exiting the shift converter 20 via line 22 is primarily a gas mixture of hydrogen and carbon dioxide. The gas stream leaving the shift converter 20 is thereafter fed to a fuel cell 30 wherein the gas stream is converted into electrical power. In typical fuel cell power plant systems, one or more selective oxidizers 24 and 26 may be located between the shift converter 20 and the fuel cell 30. Any remaining carbon monoxide in the gas stream via 22 from the shift converter 20 can be further reduced prior to feeding the gas stream to the fuel cell 30.

Please replace the paragraph starting at line 6 on page 5 with the following amended paragraph:

It is necessary to cool the reformed gas stream discharge from the fuel processor 12 via line ~~[[16]]~~ 18 prior to feeding the reformed gas to the shift converter 20.